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APPLICATION NO). F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/036,310 12/26/2001		12/26/2001	Robert A. Wolff	C01-009	C01-009 2747	
23459	7590	09/14/2005		EXAM	EXAMINER	
ARTHUR J. O'DEA				SETH, M	SETH, MANAV	
LEGAL DEPARTMENT COGNEX CORPORATION				ART UNIT PAPER NUMBER		
ONE VISION DRIVE				2625	2625	
NATICK, MA 01760-2077			•	DATE MAILED: 09/14/2005	DATE MAILED: 09/14/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Amelia di an Ala	A Production					
-	Application No.	Applicant(s)					
Office Action Summany	10/036,310	WOLFF ET AL.					
Office Action Summary	Examiner	Art Unit					
	Manav Seth	2625					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be time rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 30 Ju	ne 2005.						
2a)⊠ This action is FINAL . 2b)☐ This							
3) Since this application is in condition for allowar	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.					
Disposition of Claims							
4) Claim(s) <u>1,3-15,17-21 and 23-28</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1,3-15,17-21 and 23-28</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	r election requirement.						
Application Papers							
9) The specification is objected to by the Examine	r.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correct							
11) ☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
Copies of the certified copies of the prior	•	ed in this National Stage					
application from the International Bureau	• • • • • • • • • • • • • • • • • • • •						
* See the attached detailed Office action for a list	of the certified copies not receive	d.					
Attachment(s)	_						
1) Notice of References Cited (PTO-892)	4) Interview Summary Paper No(s)/Mail Da						
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)		Patent Application (PTO-152)					
Paper No(s)/Mail Date	6) Other:						

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Arguments".

DETAILED ACTION

Response to Amendment

1. The amendment filed on June 30, 2005 has been entered in full.

2. Applicant's arguments on pages 9-17 in amendment filed June 30, 2005, with respect to the rejection(s) of claim(s) 1, 3-15, 17-21 and 23-28 under 35 U.S.C. 103(a) respectively, have been fully considered but are not persuasive. See the detailed discussion in section entitled "Response to

Claim Objections

3. Claim 16 has been cancelled by the applicant and claim 17 still depends on claim 16. Therefore, making indefinite dependency of claim 17. Appropriate correction is required.

Examiner for examining purposes, assumes "claim 17" depending on claim 12.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 1, 3-5, 11, 12, 18, 19, 20, 21, 24 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over, Anderson U.S. Patent No. 6,567,122, further in view of Luster, U.S. Patent No. 5,715,051.

Claim 1 recites "an image apparatus having an image element connected to a processing element and memory". Anderson discloses in lines 5-8 and lines 40-45 of column 6 an imaging apparatus (digital camera) that consists of an image element connected to the computer (118, figure 1) built internally that consists of a processing element (344, figure 3) and a memory (346).

Claim 1 recites "a software process for transmitting, in a web-browser compatible form, the image data and information from the machine vision tool into the web-browser compatible form for transmission over a communication interface, interconnected to the processing element, to a human/machine interface device having a display, the web-browser-compatible image data and information being adapted for display on the human/machine interface device". Anderson discloses in lines 27-37 of column 8, lines 14-18 of column 10 and lines 41-56 column 12, also teaches of a web server (figure 9) and software process responsible for compressing and reformatting the image data and information into a web-browser-compatible form for transmission over a communications interface, interconnected to the processing element, to a human/machine interface device having a display, the web-browser-compatible image data and information being adapted for display on the human/machine interface device

Claim 1 recites "wherein the human/machine interface is adapted to display the webbrowser-compatible image data and the information on a plurality of user-selected screens associated with machine vision tool, the screens being constructed and arranged for selecting function for at least one of installing, configuring, training, monitoring, and controlling the machine vision system". Anderson teaches in lines 34-38 of column 9 that a human/machine interface device can be a

personal computer, wireless PCS phone or a network computer and apparently these devices are capable of displaying image data and information in web-browser-compatible image format. Anderson further teaches "In addition, camera 100 is accessed via the widely used, very familiar web browser. By functioning with a web page based interface and widely used web browsers, the present invention provides a simple, intuitive, and familiar interface for accessing camera 100's functionality. Accordingly, camera 100's controls and functions are intuitively easy to utilize. Since web pages and their associated controls (e.g., push buttons, data entry fields, etc) are very familiar to most users, the remote access functionality of camera 100 can be utilized without requiring a extensive learning period for new users......" (lines 45-64 of column 10) and "Whereas and unauthorized user attempting access might receive an appropriate message (e.g., an "access denied" web-pages), an authorized user would see a web page representative of the functionality of the camera. The web page could include, for example, control buttons for camera control, images, or the like" (lines 60-65 of column 13) which clearly shows that the webpage consists of control buttons where the web page is located at a remote location on a human/machine interface device which can be further used to control the camera by sending control data to the camera which further would make it obvious for a person of ordinary skill in the art to not only control the camera through remote access but also perform other operations such as installation, configuring, training, etc of software on camera as camera recites all the necessary elements for the specified purposes and the web page technology as well known is known to incorporate the buttons to specify a separate operation on the camera.

Claim 1 recites "the processing element is adapted to perform a machine vision tool task while the human/machine interface device is disconnected from the communications interface".

Anderson discloses in lines 46-55 of column 5 discloses that the image data and information can be

transferred to human machine interface device at any time which makes it apparent that processing element can perform operations independently of the connection to the human/machine interface.

Claim 1 recites "a machine vision tool for performing a machine vision process on the image data". Anderson discloses multiple software processes (figure 9) that can be run on the processing element to control the functions and parameters of the camera in lines 52-55 of column 6, lines 1-4 of column 7 and lines 36-42 of column 15. Anderson discloses an image apparatus that is basically the same as recited in claim 1 except that Anderson does not teach this image apparatus being used in machine vision systems.

However, Luster discloses a machine vision system in figure 7 and lines 34-67 of column 4, which includes a camera (30) coupled to a the image processing elements such as signal splitter (32), high pass filter (30) and image processing board (31). Luster further discloses the machine vision system further includes "input/output circuits to allow the system to communicate with external devices such as controller (not shown for controlling a motor such as stepper motor" (col. 4, lines 55-61). Luster further discloses "The machine vision system 40 may be programmed at a mass storage unit 60 to include custom controls for image processing and image analysis" (col. 5, lines 12-14). Luster further discloses that a host computer 62 of the system 40 may be a PC having sufficient amount of RAM and hard disk space for controlling the system (figure 7; col. 5, lines 15-17) which implies that the machine vision system can be controlled through a computer system that has hard disk and enough RAM. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the invention of Anderson in view of Luster. One would have been motivated to use the system of Anderson in machine vision applications as done by Luster because both references are directed to imaging and because Luster shows a specific application to which Anderson can be applied and it would be a matter of replacing the system of

Luster with that of Anderson. Both references recite the use of camera for imaging which is further coupled to the image processing elements and both references recites a mass storage (memory) space which can store programs to program the system and both references teach that their systems can be connected to a host computer to control the system externally.

Regarding claim 3, the limitations of claim 3 are met by Anderson as applied to claim 1 above.

Regarding claim 4, the limitations of claim 4 are met by Anderson and Luster as applied to claim 1 above. Claim 4 also recites "the human/machine interface device comprises a personal digital assistant (PDA)" instead of a computer as in claim 1. Anderson discloses in lines 34-38 of column 9 that a human/machine interface device can be a personal computer, wireless PCS phone or a network computer and in fact these devices are capable of displaying image data and information in web-browser-compatible image format. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to modify the invention of Anderson. One would have been motivated to use a PDA in place of a computer, where PDA is a small hand-held computer which recites a hard disk and sufficient RAM and is capable of receiving wired and wireless signals and displaying image data and information in web-browser compatible form as human/machine interface device.

Claim 5 recites "the human/machine interface as set forth in claim 4 wherein the communication interface includes support for data transmission to a PDA over one of a wireless link and a cable link". Anderson in lines 64-65 of column 11 teaches the communication to the Application/Control Number: 10/036,310

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human/machine can be done through USB, IEEE1394 and infrared link where USB and IEEE1394

are cable links and infrared link is a wireless link.

Regarding the claim 11, the limitations of claim 11 are met by Anderson and Luster as

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applied to claim 4 above.

Claim 12 recites a method steps that correspond to the apparatus defined by claim 1, and is

thus met by the combination of Anderson and Luster as applied to claim 1 above.

Claim 18 recites "the method as set forth in claim 12 further comprising communicating

control information to a remote device through the communication interface so as to direct a device

function in accordance with a predetermined instruction of the machine vision tool". Luster

discloses that a host computer 62 of the system 40 may be a PC having sufficient amount of RAM

and hard disk space for controlling the system (figure 7; col. 5, lines 15-17) which implies that the

machine vision system can be controlled through a computer system that has hard disk and enough

RAM and it would be obvious that a remote computer cannot control the system without a

predetermined instruction of the machine vision tool on the remote PC.

Regarding the claim 19, the limitations of claim 19 are met by Anderson and Luster as

applied to claim 12 above.

Claim 20 recites a method steps that correspond to the apparatus defined by claim 4, and is

thus met by the combination of Anderson and Luster as applied to claim 1 above.

Regarding claim 21, the limitations of claim 21 in combination with claim 20 are met by Anderson and Luster as applied to claim 5 above.

Claim 24 has been similarly analyzed and rejected as per claim 18.

Regarding the claim 28, the limitations of claim 28 are met by Anderson and Luster as applied to claim 20 above.

6. Claims 6 and 23 are rejected under 103(a) as being unpatentable over Anderson U.S. Patent No. 6,567,122 in view of Luster, U.S. Patent No. 5,715,051 and further in view of Cadjan, January 2000, publication "Upgrading Novell Client software across the network using acu.exe".

Claim 6 recites "human/machine device, includes a generic machine vision application residing thereon and the processing element is adapted to install a specialized machine vision application over the communication interface to the human/machine interface device". Anderson in lines 52-55 of column 6 and lines 1-5 of column 7 discloses software programs to control the operations of the camera that are stored in the memory. Anderson also discloses in lines 36-43 of column 15 that parameters of these software applications running inside the camera can be changed according to the user needs. It is in fact clear from the above arguments that if a user wants to change parameters of application program running inside the apparatus according to his/her control needs, the user has to write some kind of script or some kind of program on another external computing device such as another computer, which then can be then transferred to the apparatus's memory through communication interface. The image apparatus will only understand this script if

apparatus.

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the image apparatus and external computing device share the same platform of the application in which the script was constructed or vice-versa. Therefore, it would be obvious that the same generic machine vision software application in which the script runs should be resided on both image

apparatus and external computing device. Anderson and Luster do not teach the limitation "the

processing element is adapted to install a specialized machine vision application over the

communication interface to the human/machine interface device".

Cadjan in her technical paper discloses a server/client model of Novell Network where the client gets upgraded automatically when client logins to the network. It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the invention of Anderson in view of Luster and in further view of Cadjan. One would have been motivated to host a file server in the image apparatus where the machine vision application resides and if a machine vision application was upgraded on the image apparatus, the server would install this special new/upgraded machine vision application on the client (PDA) automatically whenever client talks to the image

Regarding the claim 23, the limitations of claim 23 in combination with claim 20 are met by Anderson and Luster and in further view of Cadjan as applied to claim 6 above.

Claims 7 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over, Anderson 7. U.S. Patent No. 6,567,122 in view of Luster, U.S. Patent No. 5,715,051 and further in view of Takagi, U.S. Patent No. 6,670,991 and Bose, U.S. Patent No. 4,975,972.

Claim 7 recites "a machine vision process that determines an intensity distribution of the image data and that transmits information with respect to the determined intensity distribution, and

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wherein the human/machine interface device includes a process for displaying, based upon the information, a visual representation of the intensity distribution so as to assist in adjusting at least one of the lighting intensity, shutter exposure time, lens aperture, and parameters affecting the intensity distribution in the image data". Anderson and Luster do not teach the machine vision process that determines intensity distribution of the image data and transmits the information with respect to the determined intensity distribution.

Bose discloses a machine vision process in lines 22-30 of column 4 that determines an intensity distribution of the image data and the information with respect to intensity distribution can be displayed on a monitor (34). Bose des not teach of transmitting this information to another computer.

Takagi discloses of an image apparatus connected to an client computer in figure 7 and in lines 6-12 and 25-40 of column 5, lines 30-45 of column 6 and lines 10-14 of column 11 where are all camera parameters can be displayed in visual representation on the client display and client with respect to displayed parameters has the capability to change the parameters. It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the invention of Anderson in view of Luster and in further view of Bose and Takagi. One would have been motivated to use the image apparatus by Anderson in view of Luster in machine vision systems where one would have used the machine vision process used by Bose to determine the intensity distribution of the image data and one would have used the method described by Takagi to display the parameters on the client display where client can be any human/machine interface device such a computer or a PDA and client as described by Takagi can be used to change the parameters according to the user needs.

Regarding the **claim 25**, the limitations of claim 25 in combination with claim 20 are met by Anderson and Luster and in further view of Bose as applied to claim 7 above.

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8. Claims 8, 9, 26 and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over, Anderson U.S. Patent No. 6,567,122 in view of Luster, U.S. Patent No. 5,715,051 and further in view of Takagi, U.S. Patent No. 6,670,991 and Bose, U.S. Patent No. 5,040,228.

Claim 8 recites "a machine vision process that determines a relative degree of focus of the image data and that transmits encoded information with respect to the determined relative degree of focus, and wherein the human/machine interface device includes a process for displaying, based upon the encoded information, a current focus value so as to assist in adjusting focus". Anderson and Luster does not teach the machine vision process that determines a relative degree of focus of the image data and transmits the encoded information with respect to the determined relative degree of focus.

Bose discloses a machine vision process in lines 1-20 of column 2 that determines the sharpness of focus of the image data and the information with respect to determined sharpness of focus could be displayed on a monitor. Bose does not teach of transmitting this information to another computer.

Takagi in figure 7 and in lines 6-12 and 25-40 of column 5, lines 30-45 of column 6 and lines 10-14 of column 11 discloses of an image apparatus connected to an client computer where are all camera parameters can be displayed as a function of time, distance and frequency etc., in visual representation on the client display and client with respect to displayed parameters has the capability to change the parameters. It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the invention of Anderson in view of Luster and in further view of

Bose and Takagi. One would have been motivated to use the image apparatus by Anderson in view of Luster in machine vision systems where one would have used the machine vision process used by Bose to determine the relative degree of focus of the image data and one would have used the method described by Takagi to display the parameters on the client display where a client can be a human/machine interface device such as a computer or a PDA and client as described by Takagi can change the parameters according to the user needs.

Regarding the claim 9, the limitations of claim 9 are met by Anderson and Luster in further view of Bose and Takagi as applied to claim 8 above.

Regarding the claims 26 and 27, the limitations of claims 26 and 27 in combination with claim 20 are met by Anderson and Luster and in further view of Bose as applied to claim 8 above.

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Anderson, U.S. 9. Patent No. 6,567,122 in view of Luster, U.S. Patent No. 5,715,051 and further in view of Yu, U.S. Patent No. 6,804,418.

Claim 10 recites "human/machine interface device includes a display that is insufficient in resolution and refresh rate to provide a real time display for adjusting either of focus or aperture of lens of the image element". From the previous explained claims a PDA is used as human/machine interface device. Anderson and Luster do not teach about the resolution and refresh rate of the PDA.

Yu discloses in lines 10-15 of column 1, in lines 1-10 of column 2 and lines 45-50 of column 2 PDA display panels do not have sufficient resolution to display high-resolution images and discloses the technique for generating low-resolution images from the high-resolution images for the PDAs. A lower resolution and a lower refresh rate are the inherent properties of the PDA due to the compact size, low power operation and lower processing speed.

10. Claims 13, 14, 15, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over, Anderson U.S. Patent No. 6,567,122 in view of Luster, U.S. Patent No. 5,715,051 and further in view of Nichani, U.S. Patent No. 5,673,334.

Claims 13, 14 and 15 recites "the method of transferring configuration information from the human/machine interface device to the memory over the communications interface, wherein the step of transferring configuration information includes providing training information to the memory and wherein the step of displaying includes monitoring a live image acquired by the image element based upon the image data and information". Anderson and Luster do not teach about configuring or providing the training to the memory of image device.

Nichani discloses a machine vision system in lines 40-50 of column 5, which is trained by an operator by transferring a training model program to the memory of the machine vision system to configure the system for future operations. Nichani also discloses in lines 9-21 of column 6 that displaying includes monitoring a live image acquired by the image element based upon the image data and information. It would have been obvious to one having an ordinary skill in the art at the time of invention was made to modify the combined invention of Anderson and Luster in further view of Nichani. One would have been motivated to store a configuration or training program in the memory to configure the system for control operations.

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above.

Claim 17 recites "the method as set forth in claim 12 wherein the step of establishing the link comprises web pages on the human/machine interface based upon a web server in the machine vision system that interacts with the communication interface to convert the image data and information into web-based data packets". As discussed before in the rejection of claims 1 and 12, the communication occurs with respect to web-based data and use of web-based data packets is well known in the art. The limitations of claim 17 are met by Anderson and Luster as applied to claim 12

Response to Arguments

- 11. Applicant's arguments regarding the prior art rejections under Anderson and Luster on pages 9-13 and 15-17 of the Amendment filed on June 30, 2005 have been fully considered but are not persuasive.
- 12. In the 2nd paragraph on page 13 of the Amendment, Applicant argues in substance:
- a. Anderson and Luster are legally insufficient to render the invention recited in claim 1 (and other similar claims) as amended obvious under 35 U.S.C 103(a).

The Examiner respectfully disagrees. Examiner defines what a machine vision system is? A machine vision system is nothing but a system (computer) with a vision and such a vision is normally provided by a camera attached to the system and the system may further include some software and hardware to process the images taken by the camera and to control the camera and such software can be named as machine vision tools by one of ordinary skill in the art. As well known in the art of machine vision system and as taught by the applicant's admitted prior art, usually a machine vision system includes a camera, which is connected to a computer system located at

some different location and this system located at the different location performs all the operations including installing, configuring, training, monitoring and controlling via the use of web browser windows as recited in claim 1 as admitted by applicant in applicant's admitted prior art. The only difference between applicant's admitted prior art and applicant's claimed invention as recited in claim 1 is that the computer system and the camera are built in the same unit and this single unit transmits all the data processed through its wired or wireless ports to the other computing devices such as a computer or a PDA. Examiner here cites applicant's admitted prior art to just define what the claimed invention is to better emphasize on the arguments.

The instant invention as claimed by the applicant in claim 1 and similarly other respective claims recites:

- (1) a device (machine vision system) which comprises of a camera (imaging element) coupled with a computer (computing unit) in the same unit where computing unit further comprises of a processing element and memory,
- (2) the device is loaded with software tools (machine vision tools) where these software tools would process the images (where processing of images includes compressing and reformatting and changing it into web-browser compatible format and storing the images),
- (3) the device after image processing transmits the image data in the web-browser compatible form through a human/machine interface to a human/machine interface such as computer or PDA which has a generic web-browser and screens comprise web pages,
- (4) wherein the human/machine interface (HMI) device is adapted to display the web browser compatible image data and information on a plurality of user-selected screens associated with the machine vision tool, the screens being constructed and arranged for selecting functions for at least one of installing, configuring, training, monitoring, and controlling the machine vision system,

(5) the processing element includes a web server and is further adapted to perform a machine vision

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tool task while HMI device is disconnected from the communications interface.

All the above claimed limitations of the instant invention have been clearly cited in the

rejection of claim 1. As discussed in rejection of claim 1 of this office action, Anderson provides a

device which comprises an imaging element coupled to image processing elements along with a mass

storage device (memory) that is programmed to be used as an application server (as a whole single

unit with a camera and a server (computing unit)) and this application server can be accessed by

outer world through wired or wireless ports. As well known in the art and in view of Luster, a

machine vision system is a machine that has a camera to view the object and perform image

processing on the images taken by it and reproduce the images for analysis and these all functions

are performed by Anderson's system (as explained in the rejection of claim 1) and Luster provides

the machine vision system which has similar components as that of the system provided by

Anderson, therefore it would be obvious for one of ordinary skill in the art at the time of invention

was made to use Anderson's system in machine vision applications.

Also, Examiner further points to the 4th paragraph of the page 11 of the applicant's

amendment filed on April 12, 2005 which recites applicant's arguments saying "Rather this camera

is basically a form of "web" camera that can be used for any purpose". The above cited

applicant's argument clearly shows applicant's admittance that this camera can be used for any

purpose and here examiner completely agrees with Applicant that Anderson's camera can be used

for any imaging purpose as the camera is coupled to the processing elements and bulk memory as

discussed in the rejection of claim 1, which is similarly done by the applicant's instant invention.

In response to applicant's argument that Anderson further in view of Luster is nonanalogous art, Anderson clearly shows all the structural and functional parts of the claimed invention where it processes the images and converts the image data into web-browser compatible format and transfers the image data to HMI where it is displayed in web-browser compatible format on HMI devices which further provides a control screen with control buttons on the web-page, as similarly done by the applicant's claimed invention and, based on these similarities it would be obvious for one of ordinary skill in the art to use Anderson's device in machine vision applications. Further, the web-page compatible format has been used in computer field from mid 90's and further programming of such screens webpage screens have been very-well known and this is further evident from applicant's admitted prior art. Further supporting arguments have been discussed in the rejection of claim 1.

Further applicant's argument regarding "Anderson teaches away from non-web-browser-based interfaces as recited in claims 4 and 20, as claim 4 as amended makes no mention of web-browser". Examiner respectfully disagrees with the applicant as claim 4 clearly recites "comprising" in the preamble and using web-browser is additionally providing more evidence which the claim does not limit of using the web-based compatible form and as well known PDA (a computer) is capable of displaying in Web-based compatible form of the image data. Anderson uses web-browser screen on the computer screen which has control button in the web-page to control the camera through interfaces and therefore examiner asserts that the respective argument to respective claims are moot in view of the above discussion.

In response to applicant's argument that "Anderson does not teach this image apparatus being used in machine vision systems" in 2nd line of page 13 of the amendment filed

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on June 30, 2005, a recitation of the intended use of the claimed invention must result in a structural

difference between the claimed invention and the prior art in order to patentably distinguish the

claimed invention from the prior art. If the prior art structure is capable of performing the intended

use, then it meets the claim.

The above arguments are applicable to all the respective independent and dependent claims

as recited in the instant application.

13. Applicant's arguments regarding the prior art rejections under Anderson, Luster and Nichani

on pages 14 of the Amendment filed on June 30, 2005 have been fully considered but are not

persuasive.

14. In the 2nd paragraph on page 14 of the Amendment, Applicant argues in substance:

b. 1) Nichani nowhere suggests that there would be any need for, or benefit to,

applying webcam technology to remotely access the system and 2) Nichani nowhere

suggests disconnecting the host computer and adapting the image element to perform the

machine vision tool task as a stand-alone device.

Examiner respectfully disagrees. Examiner does not rely on Nichani to provide these

teachings as cited, as these teachings have been provided by Anderson in view of Luster.

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Conclusion

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Applicant's amendment necessitated the new ground(s) of rejection presented in this Office

action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is

reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS

from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the

mailing date of this final action and the advisory action is not mailed until after the end of the

THREE-MONTH shortened statutory period, then the shortened statutory period will expire on

the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be

calculated from the mailing date of the advisory action. In no event, however, will the statutory

period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Manav Seth whose telephone number is (571) 272-7456. The examiner can

normally be reached on Monday to Friday from 8:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Bhavesh Mehta, can be reached on (571) 272-7453. The fax phone number for the organization

where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Manav Seth Art Unit 2625 September 6, 2005

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